



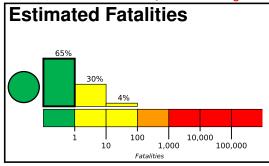


PAGER Version 6

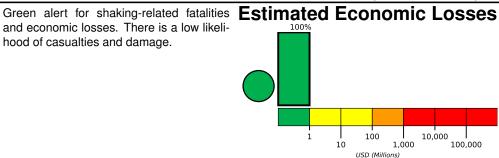
Created: 1 day, 0 hours after earthquake

M 6.8, 69km WSW of Constitucion, Chile Origin Time: 2019-09-29 15:57:53 UTC (Sun 10:57:53 local) Location: 35.4734° S 73.1624° W Depth: 11.0 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov



and economic losses. There is a low likelihood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

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ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	681k*	5,823k*	107k	47k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

74.5°W

Population Exposure



San Carlos

IV 35.0°S VII San Javier Linares 36.2°S

73.0°W

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1971-07-09	376	7.8	VIII(755k)	83
1960-05-22	313	9.6	IX(227k)	0
1985-03-03	289	7.9	VII(5,319k)	177

Recent earthquakes in this area have caused secondary hazards such as liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Constitucion	38k
٧	Cauquenes	31k
IV	Concepcion	215k
IV	Penco	46k
IV	Parral	27k
IV	Tome	47k
IV	Talcahuano	253k
IV	Chillan	150k
IV	Talca	197k
Ш	Rancagua	213k
Ш	San Bernardo	250k

bold cities appear on map.

150

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.